

Title (en)
COMPOSITION AND LIGHT-EMITTING DEVICE USING THE SAME

Title (de)
ZUSAMMENSETZUNG UND LICHEMITTIERENDE VORRICHTUNG DAMIT

Title (fr)
COMPOSITION ET DISPOSITIF ÉLECTROLUMINESCENT L'UTILISANT

Publication
EP 3389105 B1 20210120 (EN)

Application
EP 16872911 A 20161202

Priority
• JP 2015238657 A 20151207
• JP 2016085890 W 20161202

Abstract (en)
[origin: EP3389105A1] A composition, comprising: a phosphorescent compound represented by formula (1); and a phosphorescent compound represented by formula (2): (wherein M 1 represents an iridium atom or the like, n 1 denotes an integer of 1 or more, n 2 denotes an integer of 0 or more, n 1 + n 2 is 2 or 3, ring R 1A represents a triazole ring constituted of a nitrogen atom, E 1 , E 11A , E 12A , and a carbon atom, ring R 2 represents an aromatic hydrocarbon ring or the like, E 1 , E 2 , E 11A , and E 12A represent a nitrogen atom or the like, R 11A and R 12A represent an aryl group or the like, R 13A represents an aryl group or the like, A 1 -G 1 -A 2 represents an anionic bidentate ligand, A 1 and A 2 represent a nitrogen atom or the like, and G 1 represents a single bond or the like) (wherein M 2 represents an iridium atom or the like, n 3 denotes an integer of 1 or more, n 4 denotes an integer of 0 or more, n 3 + n 4 is 2 or 3, E L represents a hydrogen atom or a nitrogen atom, ring L 1 represents a 6-membered aromatic heterocyclic ring or the like, ring L 2 represents an aromatic hydrocarbon ring or the like, at least one ring selected from the group consisting of ring L 1 and ring L 2 has a group represented by formula (1-T), A 3 -G 2 -A 4 represents an anionic bidentate ligand, A 3 and A 4 represent a nitrogen atom or the like, and G 2 represents a single bond or the like), and #####-R 1T ##### (1-T) (wherein R 1T represents an alkyl group or the like).

IPC 8 full level
C07F 15/00 (2006.01); **C09K 11/06** (2006.01); **H10K 99/00** (2023.01)

CPC (source: EP KR US)
C07F 15/0033 (2013.01 - US); **C07F 15/006** (2013.01 - US); **C07F 15/0073** (2013.01 - US); **C07F 15/0086** (2013.01 - US); **C09K 11/06** (2013.01 - EP KR US); **H10K 50/11** (2023.02 - KR US); **H10K 85/341** (2023.02 - KR); **H10K 85/342** (2023.02 - EP US); **H10K 85/346** (2023.02 - US); **C07F 15/00** (2013.01 - EP US); **C09K 2211/185** (2013.01 - KR); **H10K 50/11** (2023.02 - EP); **H10K 50/15** (2023.02 - US); **H10K 2101/10** (2023.02 - EP US); **H10K 2101/90** (2023.02 - EP US)

Designated contracting state (EPC)
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